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APPLICATION N	0.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/602,807	10/602,807 06/24/2003		Ajith Kuttannair Kumar	20-TR-2097 (GETS 5320) 2158		
321	7590	02/28/2006			EXAMINER	
SENNIGER POWERS				MASIH,	MASIH, KAREN	
ONE METROPOLITAN SQUARE				ART UNIT PAPER NUMBER		
16TH FLOOR				ART UNIT	PAPER NUMBER	
ST LOUIS	ST LOUIS, MO 63102					
				DATE MAILED: 02/28/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

مكريخ

	Application No.	Applicant(s)					
Office Action Comment	10/602,807	KUMAR, AJITH KUTTANNAIR					
Office Action Summary	Examiner	Art Unit					
· · · · · · · · · · · · · · · · · · ·	karen masih	2837					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1) Responsive to communication(s) filed on							
2a) This action is FINAL . 2b) ⊠ This							
3) Since this application is in condition for allowar	this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims							
4) Claim(s) 1-37 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-19 and 32-37 is/are rejected. 7) Claim(s) 20-31 is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement.							
Application Papers : ,							
 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. 							
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some colonomy None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. **Karen Masih Primary Examiner*							
Accommends)							
1) ☑ Notice of References Cited (PTO-892) 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) ☑ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 12/16/04,8/25/03.	4) Interview Summary (Paper No(s)/Mail Dat 5) Notice of Informal Pa 6) Other:	e					

Page 2

Application/Control Number: 10/602,807

Art Unit: 2837

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-19, 32-37 are rejected under 35 U.S.C. 103(a) as being unpatentable over EP0588628 as cited by applicant in view of Williamson.

EP0588628 discloses first inverter for connection between the dc bus and the traction motor and second inverter for connection between dc bus and traction motor whereby the second inverter is in parallel connection with first inverter, see fig 1, fig 4 fig 19,col 4 lines 20-25, col 7 lines 35-45. EP0588628 lacks disclosing non-highway vehicle.

Williamson discloses locomotive, non-highway vehicle, see abstract and fig 5, col 6 lines 55-60. It would have been obvious to one of ordinary skill in the art to combine the circuit of EP0588628 with non high way vehicle of Williamson since a locomotive is a type of vehicle and EP0688628 discloses a vehicle control.

- 3. Claims 20-31 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Honbu et al and Guggi disclose inverter with impedance and motor.

Application/Control Number: 10/602,807

Art Unit: 2837

Any inquiry concerning this communication or earlier communications from the examiner should be directed to karen masih whose telephone number is 571-272-2068. The examiner can normally be reached on m-f 8.30-6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula Bradley can be reached on 571-272-2800 ext 41. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

karen masih Primary Examiner Art Unit 2837